

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/716,189
Source: IFW0
Date Processed by STIC: 5/23/05

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/716,189

DATE: 05/23/2005

TIME: 11:56:43

Input Set : N:\Crf3\RULE60\10716189.raw
 Output Set: N:\CRF4\05232005\J716189.raw

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1 <110> APPLICANT: Nardin, Elizabeth
2     Moreno, Alberto
3 <120> TITLE OF INVENTION: UNIVERSAL T-CELL EPITOPES FOR ANTI-MALARIAL VACCINES
4 <130> FILE REFERENCE: 5986/1B615-US1
5 <140> CURRENT APPLICATION NUMBER: 10/716,189
6 <141> CURRENT FILING DATE: 2003-11-17
7 <150> PRIOR APPLICATION NUMBER: US/09/060,450
8 <151> PRIOR FILING DATE: 1998-01-21
9 <150> PRIOR APPLICATION NUMBER: 60/033,916
10 <151> PRIOR FILING DATE: 1997-01-21
11 <160> NUMBER OF SEQ ID NOS: 11
12 <170> SOFTWARE: FastSEQ for Windows Version 3.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 12
16 <212> TYPE: PRT
17 <213> ORGANISM: P. falciparum
18 <400> SEQUENCE: 1
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20         1             5             10
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23 <211> LENGTH: 8
24 <212> TYPE: PRT
25 <213> ORGANISM: P. falciparum
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28         1             5
30 <210> SEQ ID NO: 3
31 <211> LENGTH: 20
32 <212> TYPE: PRT
33 <213> ORGANISM: P. falciparum
34 <400> SEQUENCE: 3
35     Glu Tyr Leu Asn Lys Ile Gln Asn Ser Leu Ser Thr Glu Trp Ser Pro
36         1             5             10             15
37     Cys Ser Val Thr
38         20
40 <210> SEQ ID NO: 4
41 <211> LENGTH: 16
42 <212> TYPE: PRT
43 <213> ORGANISM: P. falciparum
44 <400> SEQUENCE: 4
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46         1             5             10             15
48 <210> SEQ ID NO: 5

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49 <211> LENGTH: 10
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Poly-alanine peptide containing DR 1, 4, 7 and 13
54 allele specific binding motifs for use as indicator peptide.
55 <400> SEQUENCE: 5
56 Gly Phe Lys Ala Ala Ala Ala Ala Ala
57 1 5 10
59 <210> SEQ ID NO: 6
60 <211> LENGTH: 9
61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Poly-alanine peptide containing DR 3 allele specific
65 binding motifs for use as indicator peptides.
66 <400> SEQUENCE: 6
67 Ile Ala Tyr Asp Ala Ala Ala Ala
68 1 5
70 <210> SEQ ID NO: 7
71 <211> LENGTH: 10
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Poly-alanine peptide containing DR 8 allele specific
76 binding motifs for use as indicator peptide.
77 <400> SEQUENCE: 7
78 Gly Tyr Arg Ala Ala Ala Ala Ala Leu
79 1 5 10
81 <210> SEQ ID NO: 8
82 <211> LENGTH: 13
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: UD4 peptide containing DR 4 allele specific binding
87 motifs for use as indicator peptide.
88 <400> SEQUENCE: 8
89 Tyr Pro Lys Phe Val Lys Gln Asn Thr Leu Lys Ala Ala
90 1 5 10
92 <210> SEQ ID NO: 9
93 <211> LENGTH: 36
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Fusion of Carboxyl Terminus of SEQ ID NO:4 to
98 Amino Terminus of Seq ID NO: 3, designated T*T1
99 <400> SEQUENCE: 9
100 Glu Tyr Leu Asn Lys Ile Gln Asn Ser Leu Ser Thr Glu Trp Ser Pro
101 1 5 10 15

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102 Cys Ser Val Thr Asp Pro Asn Ala Asn Pro Asn Val Asp Pro Asn Ala
103 20 25 30
104 Asn Pro Asn Val
105 35
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109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Fusion of Carboxyl Terminus of SEQ ID NO:4 to
113 Amino Terminus of Seq ID NO: 1, designated T1B
114 <400> SEQUENCE: 10
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116 Asn Pro Asn Val Asp Pro Asn Ala Asn Pro Asn Val
117 20 25
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120 <211> LENGTH: 48
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
125 <223> OTHER INFORMATION: Fusion of Amino Terminus of SEQ ID NO: 4 to Carboxyl
126 Terminus of SEQ ID NO: 3 with Concomitant Fusion of Carboxyl
127 Terminus of SEQ ID NO:4 to Amino Terminus of Seq ID NO: 1,
128 designated T1BT*
129 <400> SEQUENCE: 11
Asn Ala Asn Pro Asn Ala Asn Pro Asn Ala Asn Pro Asp Pro Asn Ala
130 1 5 10 15
131 Asn Pro Asn Val Asp Pro Asn Ala Asn Pro Asn Val Glu Tyr Leu Asn
132 20 25 30
133 Lys Ile Gln Asn Ser Leu Ser Thr Glu Trp Ser Pro Cys Ser Val Thr
134 35 40 45
135

VERIFICATION SUMMARY

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